

Energy Balance Model independent understanding is possible

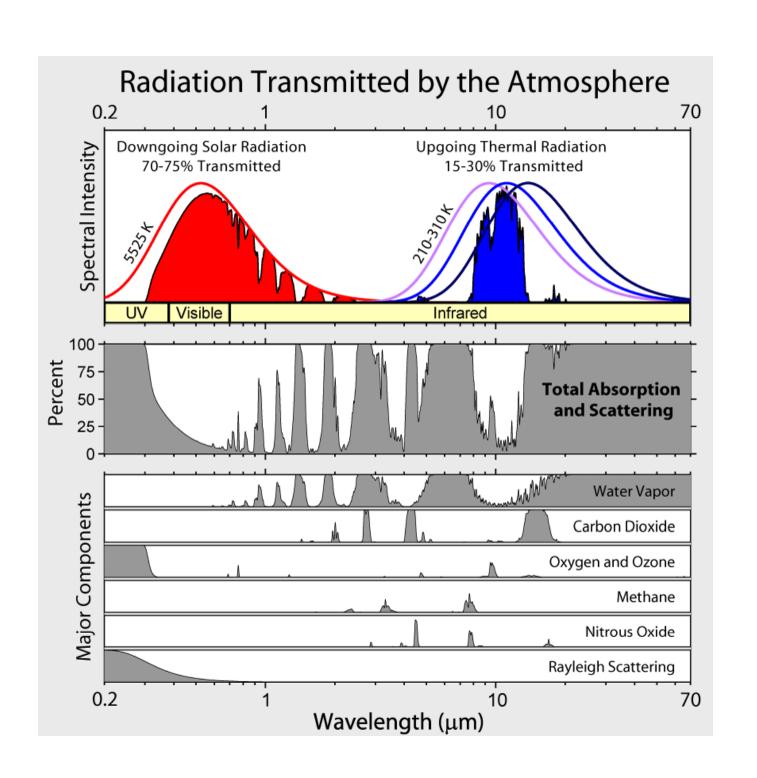
• Solar Energy=1370W/ m^2

Albedo (reflection by cloud, ocean, ice and surface of continent) is about 30 %---very poor data

Earth shine

Infrared region --- absorption by H_2O, CO_2, CH_3, NO etc.

Very poor data---GOSAT(Ibuki)



Possible Energy Sources to replace Fossil Fuel and their problems

- Nuclear Energy
 - --- nuclear waste, military usage(especially plutonium)
- Photovoltaic(Solar) Energy
 - ---cost
- Bio, Wind, Geothermal etc.
 - ---too small